

**MD-BOTH INDUSTRIES**

40 Nickerson Road  
 Ashland, MA 01721-1912  
 Tel: (508) 881-4100  
 Fax: (508) 881-1656

Hazard Ratings			
Minimal	0	HEALTH	1
Slight	1	FLAMMABILITY	1
Moderate	2	REACTIVITY	0
Serious	3	PERSONAL	
Severe	4	PROTECTION	B

**MATERIAL SAFETY DATA SHEET**

Date of Preparation: January 18, 1999

Prepared by: Jay Brooks

**SECTION 1**

Manufacturer's Name: MD-BOTH Industries

Street Address: 40 Nickerson Road, Ashland, MA 01721

Emergency Telephone #: CHEMTREC 800-424-9300 24 HRS

Product Class: Metallic Offset Ink

Trade Name: Ready-mixed Silver Sheetfed Ink for Waterless Printing

Product Codes: TF-254, 9338, 9337

**SECTION 2 – HAZARDOUS INGREDIENTS**

<u>CAS Number</u>	<u>Ingredient</u>	<u>Boiling range, °F</u>	<u>TLV</u>	<u>LEL</u>
64742-96-7	Light petroleum distillate	492-565	NA	NA
64741-91-9	Light petroleum distillate	534-592	NA	NA
7429-90-5	Aluminum	NA	10mg/m <sup>3</sup> (TWA, as dust)	~30 oz./1000ft <sup>3</sup> (as dust)

**SECTION 3 – PHYSICAL DATA**

Boiling range (°F): 492-592

Vapor density: Heavier than air

Type of odor: Mild petroleum solvent odor

Evaporation rate: Slower than butyl acetate

Liquid density: Heavier than water

Appearance: Silver colored paste

% VOC: 32.0 - 38.0 (see attached chart)

#### SECTION 4 -- FIRE AND EXPLOSION DATA

Flammability Classification: OSHA: Not classified

DOT: Not regulated

Flash Point of solvent(°F): Minimum 210 by Pensky Martens Closed Cup.

Extinguishing Media: Foam, carbon dioxide, dry chemical, sand

Unusual Fire and Explosion Hazards: Closed containers may explode when exposed to extreme heat. If all organic material burns off, remaining aluminum powder may react with water to form hydrogen gas. Aluminum particles will burn at a very high temperature as a mass of material. Aluminum particles may explode if dispersed in air.

Special Fire fighting Procedures: Water is not a suitable extinguishing medium.

#### SECTION 5 -- HEALTH HAZARD DATA

Effects of Overexposure:

Eye contact-- May cause irritation.

Skin contact-- May cause dryness, irritation, or dermatitis.

Inhalation-- Solvent vapors may cause irritation in respiratory tract.

Ingestion--May cause aspiration of small amounts of material into lungs resulting in possible irritation of mucous membranes or central nervous system damage.

Primary Routes of Entry: Inhalation of solvent vapors. Skin contact.

Emergency and First Aid Procedures:

Eye contact: Flush with large amounts of water for 15 minutes or until irritation subsides. If irritation persists, call physician.

Skin contact: Wash with soap and water. Remove and wash contaminated clothing.

Inhalation: Remove affected person to fresh air. Restore normal breathing.

Ingestion: Do not induce vomiting. Call physician.

#### SECTION 6 -- REACTIVITY DATA

Product Stability: Stable

Conditions to avoid: Extreme heat, sparks, open flames.

Hazardous decomposition products: Incomplete combustion can form carbon monoxide, smoke, or fumes.

#### SECTION 7 -- SPILL OR LEAK PROCEDURES

Procedure When Material Spilled or Released: Scoop up material and place in suitable container. Absorb excess solvent with sand or dry earth.

**Waste Disposal Method:** Dispose of contaminated material in landfill or incinerator that is approved to accept metal containing organic material in accordance with local, state, and federal regulations.

### SECTION 8 -- SPECIAL PROTECTION INFORMATION

**Ventilation:** Use with ventilation sufficient to prevent buildup of dangerous concentrations of solvent vapor in air.

**Protective Gloves:** Use chemical resistant gloves to avoid prolonged skin contact.

**Respiratory Protection:** Not normally required if product is used in sufficiently ventilated area.

**Eye Protection:** Use chemical goggles to minimize chance of eye contact.

**Other Protective Equipment:** Use chemical apron.

### SECTION 9 -- SPECIAL PRECAUTIONS

**Handling and Storage:** Store in closed containers in a cool, dry, well-ventilated area.

**Other Precautions:** Do not ingest. Avoid prolonged contact with skin, contact with eyes, and breathing vapor.

The information contained in this data sheet was obtained from sources we believe are reliable but cannot guarantee. Your use of this information is beyond our control. Therefore, the information is provided without any representation or warranty.

The chart below shows the % VOC in each of the inks covered by this MSDS.

<u>Product Code</u>	<u>% VOC</u>
9338	32.1
TF-254	32.1
9337	38.0

MARKETED BY

**HARWICK STANDARD  
DISTRIBUTION CORPORATION**  
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